

V O L V O



Volvo Excavators 28.5-34.3 t / 62,744-75,663 lb 225 hp

# EC260 HYBRID

Volvo Construction Equipment

# EC260 HYBRID

An uncomplicated and versatile machine with modern features that helps you meet your sustainability goals.



# A reliable hybrid solution

This uncomplicated and reliable hybrid solution is easy to maintain and consists of just a handful of add-on components, meaning no extra disruptions. Whether general construction, trenching, or even quarrying – the EC260F Hybrid is a versatile machine built for hard work. It reduces CO<sub>2</sub> emissions by up to 15% making it an environmentally respectful choice, especially when working in built-up areas.



## Operator comfort

- More precise controls
- Quieter cab
- Personalized settings for greater comfort
- ROPS cab as standard



## Smart View with Obstacle Detection

- Increased safety onsite and for the operator
- Radar warns for items outside the screen
- HD screen
- Human identifying alarm separate from other obstacles



## Serviceability

- Ground level access for service
- Long service intervals
- Grouped filters and lubrication points
- Quick and easy oil changes



## Fuel Efficiency

- Up to 15% improvement
- Powerful and efficiency Volvo engine



## Productivity

- Volvo Active Control
- Dig Assist with On-Board Weighing
- Electro-hydraulic system
- Boom/Swing & Boom/Travel priority functions

# Volvo EC260 Hybrid in detail

## Engine

The latest generation, Volvo engine T4f emissions compliant diesel engine fully meets the demands of the latest, emissions regulations. Featuring Volvo Advanced Combustion Technology (V-ACT), it is designed to deliver superior performance and fuel efficiency. The engine uses precise, high pressure fuel injectors, turbo charger and air-to-air intercooler, and electronic engine controls to optimize machine performance.

- Air Filter: 3-stage with precleaner

**- Automatic Idling System:** Reduces engine speed to idle when the levers and pedals are not activated resulting in less fuel consumption and low cab noise levels.

Engine	Volvo	Volvo D8M
Max power at	r/min (r/s)	1,600 (26.7)
Net, ISO 9249/SAE J1349	kW (hp)	167 (224)
Gross, ISO 14396/SAE J1995	kW (hp)	168 (225)
Max torque	Nm (ft lbf)	1,166 (860)
at engine speed	r/min (r/s)	1,350 (22.5)
No. of cylinders		6
Displacement	l (in <sup>3</sup> )	7.7 (470)
Bore	mm (in)	110 (4.33)
Stroke	mm (in)	135 (5.31)

## Electrical system

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. The master switch is standard. Contronics provides advanced monitoring of machine functions and important diagnostic information.

Voltage	V	24
Batteries	V	2 x 12
Battery capacity	Ah	170
Alternator	V/A	28 / 120
Start motor	V - kW	24 / 5.5

## Hybrid

The uncomplicated and reliable hybrid solution, Volvo's novel hydraulic hybrid harvests 'free' energy generated by the down motion of the excavator's boom and uses it to supercharge the engine system.

The powerful and regular boom-down motions charge 32 litre hydraulic accumulators, which then deliver energy to drive hydraulic assist motors that help power the engine system. There are the same levels of controllability and performance as the standard EC400F, including the ability to work in ECO mode and Hybrid mode simultaneously.

## Accumulator

No. of accumulator		1
Displacement	l (gal)	32 (8.5)

## Undercarriage and structures

The undercarriage has a robust X-shaped frame. Greased and sealed track chains are standard.

Track shoes		2 x 51
Link pitch	mm (in)	190 (7.5)
Shoe width, triple grouser	mm (in)	600 / 700 / 800 / 900 (24 / 28 / 32 / 36)
Bottom rollers		2 x 9
Top rollers		2 x 2

## Swing system

The swing system uses an axial piston motors, driving a planetary gearbox for maximum torque. An automatic holding brake and antirebound valve are standard.

Max. slew speed	r/min	11.7
Max. slew torque	kNm (ft lbf)	91.7 (67,630)

## Travel System

Each track is powered by an automatic two-speed shift travel motor. The track brakes are multi-disc, spring-applied and hydraulic released. The travel motor, brake and planetary gears are well protected within the track frame.

Max. drawbar pull	kN (lbf)	217 (48,800)
Max. travel speed (low)	km/h (mi/h)	3.5 (2.2)
Max. travel speed (high)	km/h (mi/h)	5.5 (3.4)
Gradeability	°	35

## Cab

The operator's cab has easy access via a wide door opening. The cab is supported on hydraulic dampening mounts to reduce shock and vibration levels. These along with sound absorbing lining provide low noise levels. The cab has excellent all-round visibility. The front windshield can easily slide up into the ceiling, and the lower front glass can be removed and stored in the side door.

**Integrated air-conditioning and heating system:** The pressurized and filtered cab air is supplied by an automatically controlled fan. The air is distributed throughout the cab from 14 vents.

**Ergonomic operator's seat:** The adjustable seat and joystick console move independently to accommodate the operator. The seat has 12 different adjustments plus a seat belt for the operator's comfort and safety.

## Sound Level

Sound level in cab according to ISO 6396

L <sub>pA</sub>	dB	70
External sound level according to ISO 6395, EU Noise Directive (2000/14/EC)		
L <sub>WA</sub>	dB	104

## Service Refill

Fuel tank	l (gal)	440 (116)
DEF/AdBlue® tank	l (gal)	50 (13)
Hydraulic system, total	l (gal)	385 (102)
Hydraulic tank	l (gal)	215 (57)
Engine oil	l (gal)	30 (8)
Engine coolant	l (gal)	44 (12)
Slew reduction unit	l (gal)	5.9 (2)
Travel reduction unit	l (gal)	2 x 5.0 (2 x 1.0)

## Hydraulic System

The new electro-hydraulic system and new MCV (main control valve) use intelligent technology to control on-demand flow for high productivity, high-digging capacity and excellent fuel consumption.

The following important functions are included in the system:

Summation system: Combines the flow of both hydraulic pumps to ensure quick cycle times and high productivity.

Boom priority: Gives priority to the boom operation for faster raising when loading or performing deep excavations.

Arm priority: Gives priority to the arm operation for faster cycle times in leveling and for increased bucket filling when digging.

Swing priority: Gives priority to swing functions for faster simultaneous operations.

Regeneration system: Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity.

Holding valves: Boom and arm holding valves prevent the digging equipment from creeping.

Power boost: All digging and lifting forces are increased.

### Main pump: 2 x Variable displacement axial piston pumps

Maximum flow	l/min (gal/min)	2 x 240 (2 x 63)
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### Pilot pump: Gear pump

Maximum flow	l/min (gal/min)	20.3 (5)
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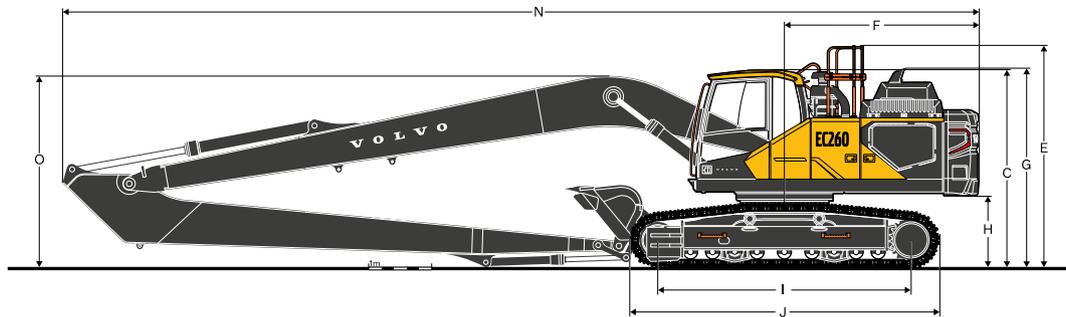
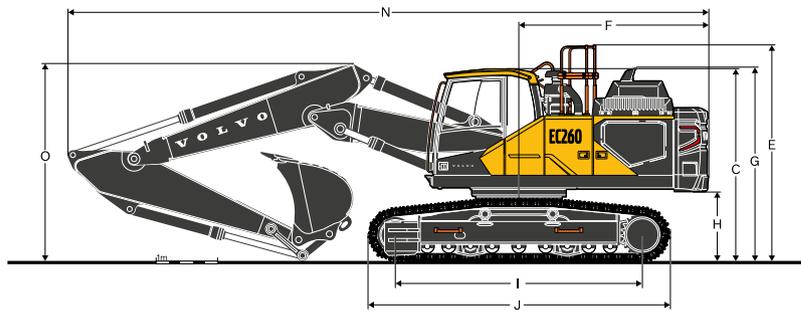
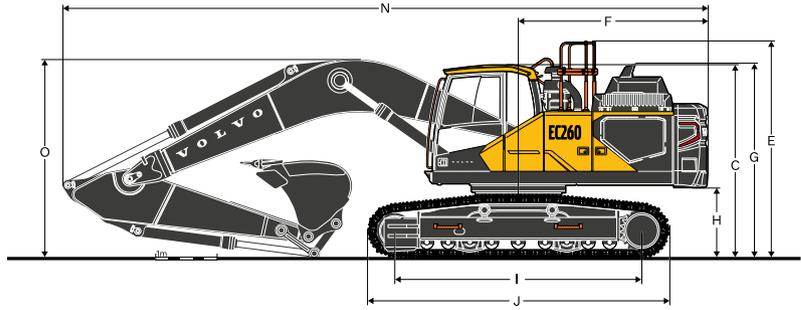
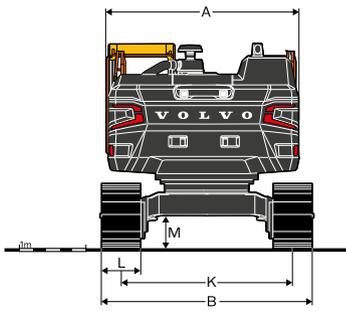
### Max. pressure

Implement	MPa (psi)	33.3 / 36.3 (4,840 / 5,260)
Travel circuit	MPa (psi)	36.3 (5,260)
Slew circuit	MPa (psi)	27.9 (4,050)
Pilot circuit	MPa (psi)	3.9 (570)

## Hydraulic Cylinders

Boom		2
Bore x Stroke	ø x mm (ø x in)	135 x 1 345 (5.3 x 53.0)
2 piece boom		1
Bore x Stroke	ø x mm (ø x in)	160 x 1 230 (6.3 x 48.4)
Arm		1
Bore x Stroke	ø x mm (ø x in)	140 x 1 665 (5.5 x 65.6)
Bucket		1
Bore x Stroke	ø x mm (ø x in)	130 x 1 150 (5.1 x 45.3)
Bucket for LR boom		1
Bore x Stroke	ø x mm (ø x in)	100 x 865 (3.9 x 34.1)

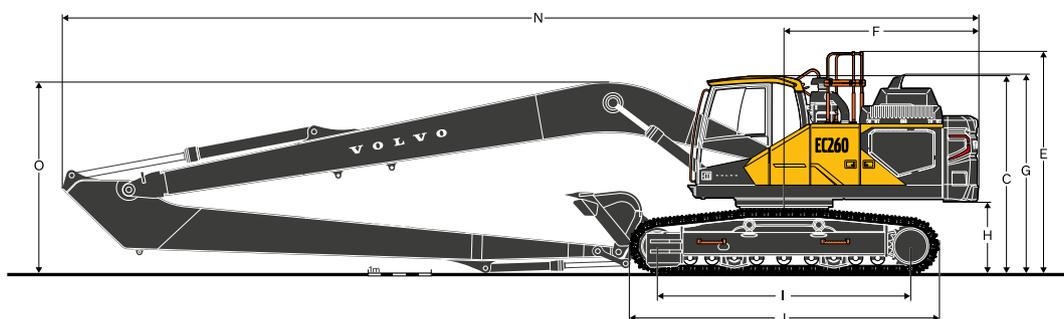
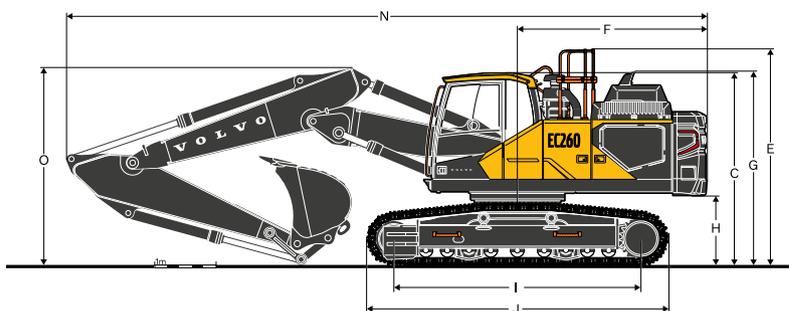
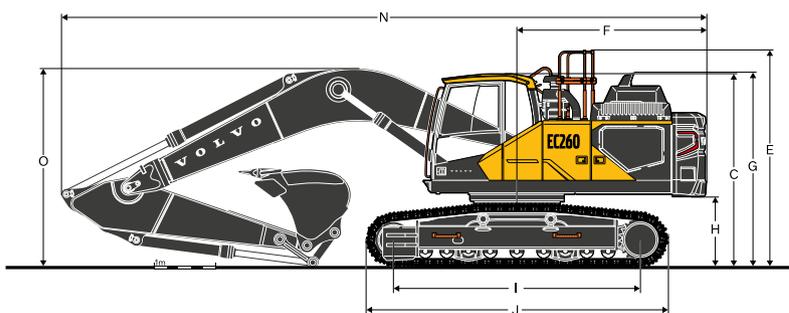
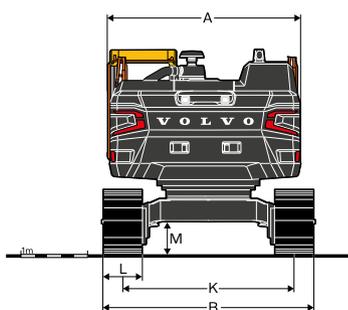
# Specifications



## DIMENSIONS

	Unit		EC260F L					
	m	ft in	6.0 (19'8")					
<b>Boom</b>								
<b>Arm</b>	m	ft in	2.5	8'2"	2.97	9'9"	3.6	11'10"
A. Overall width of upper structure	mm	ft in	2,890	9'6"	2,890	9'6"	2,890	9'6"
B. Overall width	mm	ft in	3,190	10'6"	3,190	10'6"	3,190	10'6"
C. Overall height of cab	mm	ft in	3,040	10'0"	3,040	10'0"	3,040	10'0"
D. Overall height of handrail	mm	ft in	3,145	10'4"	3,145	10'4"	3,145	10'4"
E. Overall height of guardrail	mm	ft in	3,410	11'2"	3,410	11'2"	3,410	11'2"
F. Tail swing radius	mm	ft in	3,080	10'1"	3,080	10'1"	3,080	10'1"
G. Overall height of engine hood	mm	ft in	2,855	9'4"	2,855	9'4"	2,855	9'4"
H. Counterweight clearance *	mm	ft in	1,045	3'5"	1,045	3'5"	1,045	3'5"
I. Tumbler length	mm	ft in	3,850	12'8"	3,850	12'8"	3,850	12'8"
J. Track length	mm	ft in	4,650	15'3"	4,650	15'3"	4,650	15'3"
K. Track gauge	mm	ft in	2,590	8'6"	2,590	8'6"	2,590	8'6"
L. Shoe width	mm	ft in	600	24"	600	24"	600	24"
M. Min. ground clearance *	mm	ft in	470	1'7"	470	1'7"	470	1'7"
N. Overall length	mm	ft in	10,295	33'9"	10,215	33'6"	10,280	33'9"
O. Overall height of boom	mm	ft in	3,325	10'11"	3,110	10'2"	3,330	10'11"

\* Without shoe grouser

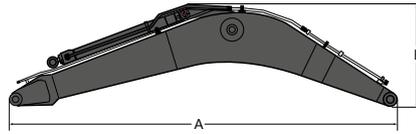


## DIMENSIONS

	Unit		EC260F L						EC260F LR	
	m	ft in	2 piece boom 5.95 (19'6")						10.2 (33'6")	
<b>Boom</b>										
<b>Arm</b>	m	ft in	2.5	8'2"	2.97	9'9"	3.6	11'10"	7.85	25'9"
A. Overall width of upper structure	mm	ft in	2,890	9'6"	2,890	9'6"	2,890	9'6"	2,890	9'6"
B. Overall width	mm	ft in	3,190	10'6"	3,190	10'6"	3,190	10'6"	3,190	10'6"
C. Overall height of cab	mm	ft in	3,040	10'0"	3,040	10'0"	3,040	10'0"	3,040	10'0"
D. Overall height of handrail	mm	ft in	3,145	10'4"	3,145	10'4"	3,145	10'4"	3,145	10'4"
E. Overall height of guardrail	mm	ft in	3,410	11'2"	3,410	11'2"	3,410	11'2"	3,410	11'2"
F. Tail swing radius	mm	ft in	3,080	10'1"	3,080	10'1"	3,080	10'1"	3,155	10'1"
G. Overall height of engine hood	mm	ft in	2,855	9'4"	2,855	9'4"	2,855	9'4"	2,855	9'4"
H. Counterweight clearance *	mm	ft in	1,045	3'5"	1,045	3'5"	1,045	3'5"	1,045	3'5"
I. Tumbler length	mm	ft in	3,850	12'8"	3,850	12'8"	3,850	12'8"	3,850	12'8"
J. Track length	mm	ft in	4,650	15'3"	4,650	15'3"	4,650	15'3"	4,650	15'3"
K. Track gauge	mm	ft in	2,590	8'6"	2,590	8'6"	2,590	8'6"	2,590	8'6"
L. Shoe width	mm	ft in	600	24"	600	24"	600	24"	600	24"
M. Min. ground clearance *	mm	ft in	470	1'7"	470	1'7"	470	1'7"	470	1'7"
N. Overall length	mm	ft in	10,245	33'7"	10,215	33'6"	10,215	33'6"	14,515	47'7"
O. Overall height of boom	mm	ft in	3,265	10'9"	3,185	10'5"	3,405	11'2"	3,065	10'1"

\* Without shoe grouser

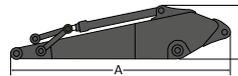
# Specifications



## DIMENSIONS

Description	Unit		Boom							
	m (ft in)		6.0 (18'8") GP		6.0 (18'8") HD		5.95 (19'6") 2-piece		10.2 (33'6") LR	
A. Length	mm	ft in	6,205	20'4"	6,205	20'4"	6,155	20'2"	10,405	34'2"
B. Height	mm	ft in	1,695	5'7"	1,695	5'7"	1,595	5'3"	1,505	4'11"
Width	mm	ft in	725	2'5"	725	2'5"	725	2'5"	725	2'5"
Weight	kg	lb	2,255	4,970	2,380	5,520	2,840	6,260	3,070	6,770

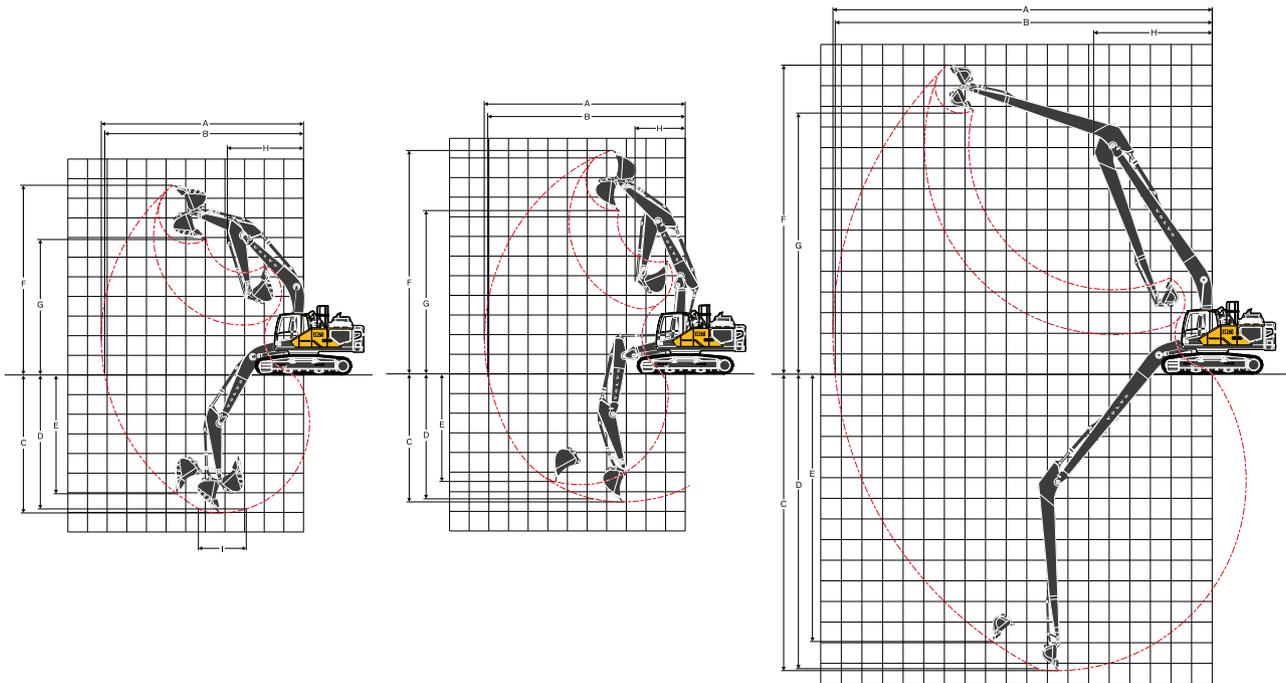
\* Includes arm cylinder, piping and pin



## DIMENSIONS

Description	Unit		Arm									
	m (ft in)		2.5 (8'2") HD		2.97 (9'9") GP		2.97 (9'9") HD		3.6 (11'10") GP		7.85 (25'9") LR	
A. Length	mm	ft in	3,585	11'9"	4,055	13'4"	4,055	13'4"	4,725	15'6"	8,965	29'5"
B. Height	mm	ft in	975	3'2"	975	3'2"	975	3'2"	970	3'2"	1,205	3'4"
Width	mm	ft in	510	1'8"	510	1'8"	510	1'8"	510	1'8"	385	1'3"
Weight	kg	lb	1,290	2,840	1,325	2,920	1,380	3,040	1,440	3,170	1,725	3,800

\* Includes cylinder, linkage and pin



**WORKING RANGES WITH DIRECT FIT BUCKET**

Description	Unit		EC260F L														EC260F LR	
			6.0 (18'8")						2 piece boom 5.95 (19'6")						10.2 (33'6")			
Boom	m (ft in)		2.5	8'2"	2.97	9'9"	3.6	11'10"	2.5	8'2"	2.97	9'9"	3.6	11'10"	7.85	25'9"		
Arm	m	ft in	2.5	8'2"	2.97	9'9"	3.6	11'10"	2.5	8'2"	2.97	9'9"	3.6	11'10"	7.85	25'9"		
A. Max. digging reach	mm	ft in	9,960	32'8"	10,340	33'11"	10,810	35'6"	9,970	32'9"	10,365	34'0"	10,855	35'7"	18,305	60'1"		
B. Max. digging reach on ground	mm	ft in	9,775	32'1"	10,160	33'4"	10,640	34'11"	9,785	32'1"	10,190	33'5"	10,685	35'1"	18,210	59'9"		
C. Max. digging depth	mm	ft in	6,590	21'7"	7,060	23'2"	7,690	25'3"	6,125	20'1"	6,565	21'6"	7,135	23'5"	14,350	47'1"		
D. Max. digging depth (I=2.44 m level)	mm	ft in	6,375	20'11"	6,855	22'6"	7,470	24'6"	6,020	19'9"	6,465	21'3"	7,040	23'1"	14,240	46'9"		
E. Max. vertical wall digging depth	mm	ft in	5,265	17'3"	5,520	18'1"	5,805	19'1"	4,910	16'1"	5,290	17'4"	5,765	18'11"	12,470	40'11"		
F. Max. cutting height	mm	ft in	9,620	31'7"	9,685	31'9"	9,645	31'8"	11,140	36'7"	11,390	37'4"	11,625	38'2"	14,890	48'10"		
G. Max. dumping height	mm	ft in	6,610	21'8"	6,710	22'0"	6,730	22'1"	7,925	26'0"	8,190	26'10"	8,445	27'8"	12,580	41'3"		
H. Min. front swing radius	mm	ft in	3,915	12'10"	3,890	12'9"	3,890	12'9"	2,785	9'2"	2,550	8'4"	2,715	8'11"	5,720	18'9"		

**DIGGING FORCES WITH DIRECT FIT BUCKET**

Breakout force (bucket)	Normal	SAE J1179	kN	lb	145	32,600	145	32,600	145	32,600	145	32,600	145	32,600	145	32,600	68	15,290
	Power boost	SAE J1179	kN	lb	157	35,290	157	35,290	157	35,290	157	35,290	157	35,290	157	35,290	68	15,290
	Normal	ISO 6015	kN	lb	166	37,320	166	37,320	166	37,320	166	37,320	166	37,320	166	37,320	77	17,310
	Power boost	ISO 6015	kN	lb	181	40,690	181	40,690	181	40,690	181	40,690	181	40,690	181	40,690	77	17,310
Tearout force (arm)	Normal	SAE J1179	kN	lb	132	29,670	114	25,630	102	22,930	132	29,670	114	25,630	102	22,930	43	9,670
	Power boost	SAE J1179	kN	lb	143	32,150	124	27,880	111	24,950	143	32,150	124	27,880	111	24,950	43	9,670
	Normal	ISO 6015	kN	lb	136	30,570	118	26,530	105	23,600	136	30,570	118	26,530	105	23,600	43	9,670
	Power boost	ISO 6015	kN	lb	148	33,270	128	28,780	114	25,630	148	33,270	128	28,780	114	25,630	43	9,670
Rotation angle, bucket			°		177		177		177		177		177		177		178	

# Specifications

## GROUND PRESSURE

### EC260F L

Description	Shoe width		Operating weight		Ground pressure		Overall width		Operating weight		Ground pressure		Overall width	
	mm	ft in	kg	lb	kPa	psi	mm	ft in	kg	lb	kPa	psi	mm	ft in
Triple grouser	600	24	26,720	58,920	51.5	7.5	3,190	10'6"	26,900	59,310	51.9	7.5	3,190	10'6"
	600 (HD)	24 (HD)	26,960	59,450	52.0	7.5	3,190	10'6"	27,140	59,840	52.4	7.6	3,190	10'6"
	700	28	27,010	59,560	44.7	6.5	3,290	10'10"	27,190	59,950	45.0	6.5	3,290	10'10"
	800	32	27,300	60,200	39.5	5.7	3,390	11'1"	27,480	60,590	39.8	5.8	3,390	11'1"
Double grouser	600	24	26,940	59,400	52.0	7.5	3,190	10'6"	27,120	59,800	52.3	7.6	3,190	10'6"
	700	28	27,280	60,150	45.1	6.5	3,290	10'10"	27,460	60,550	45.4	6.6	3,290	10'10"
Single grouser	600	24	26,750	58,980	51.6	7.5	3,340	10'11"	26,930	59,380	44.5	6.5	3,340	10'11"

		EC260F L, 6.0 m (19'8") GP boom, 2.97 m (9'9") GP arm, 1,179 kg (2,600 lb) bucket, 4,950 kg (10,910 lb) counterweight						EC260F L, 6.0 m (19'8") HD boom, 2.97 m (9'9") HD arm, 1,179 kg (2,600 lb) bucket, 4,950 kg (10,910 lb) counterweight						
Description	Shoe width		Operating weight		Ground pressure		Overall width		Operating weight		Ground pressure		Overall width	
	mm	ft in	kg	lb	kPa	psi	mm	ft in	kg	lb	kPa	psi	mm	ft in
Triple grouser	600	24	27,310	60,220	52.7	7.6	3,190	10'6"	27,360	60,330	52.8	7.6	3,190	10'6"
	600 (HD)	24 (HD)	27,550	60,750	53.2	7.7	3,190	10'6"	27,600	60,860	53.2	7.7	3,190	10'6"
	700	28	27,600	60,860	45.6	6.6	3,290	10'10"	27,650	60,970	45.7	6.6	3,290	10'10"
	800	32	27,890	61,500	40.4	5.8	3,390	11'1"	27,940	61,610	40.4	5.9	3,390	11'1"
Double grouser	600	24	27,530	60,700	53.1	7.7	3,190	10'6"	27,580	60,810	53.2	7.7	3,190	10'6"
	700	28	27,870	61,450	46.1	6.7	3,290	10'10"	27,920	61,560	46.2	6.7	3,290	10'10"
Single grouser	600	24	27,340	60,280	45.2	6.6	3,340	10'11"	27,390	60,390	45.3	6.6	3,340	10'11"

### EC260F LR

Description	Shoe width		Operating weight		Ground pressure		Overall width	
	mm	ft in	kg	lb	kPa	psi	mm	ft in
Triple grouser	600	24	28,460	62,750	54.9	8.0	3,190	10'6"
	600 (HD)	24 (HD)	28,700	63,280	55.4	8.0	3,190	10'6"
	700	28	28,750	63,390	47.5	6.9	3,290	10'10"
	800	32	29,040	64,030	42.0	6.1	3,390	11'1"
	900	36	29,340	64,690	37.7	5.5	3,490	11'5"

EC260F LR, 10.2 m (33'6") LR boom, 7.85 m (25'9") LR arm, 452 kg (1,000 lb) bucket, 6,200 kg (13,670 lb) counterweight

**BUCKET SELECTION GUIDE**

**EC260F L with 600 mm (24") shoe, 4,950 kg (10,910 lb) counterweight**

Bucket Type		Capacity		Cutting width		Weight		Teeth	Recommended maximum material density (kg/m <sup>3</sup> )					
									6.0 m (19'8") GP Boom			5.95 m (19'6") 2-piece Boom		
		L	yd <sup>3</sup>	mm	in	kg	lb	EA	2.5 m (8'2")	2.97 m (9'9")	3.6 m (11'10")	2.5 m (8'2")	2.97 m (9'9")	3.6 m (11'10")
Direct fit bucket	General purpose	560	0.73	600	23.6	800	1,763	3	C	C	C	C	C	C
		620	0.81	750	29.5	823	1,814	3	C	C	C	C	C	C
		770	1.01	900	35.4	983	2,167	4	C	C	C	C	C	C
		950	1.24	1090	42.9	1012	2,231	4	C	C	C	C	C	C
		1,140	1.49	1,240	48.8	1,179	2,600	5	C	C	C	C	C	C
		1,320	1.73	1,390	54.7	1,196	2,636	5	C	C	C	C	C	C
		1,450	1.90	1,490	58.7	1,249	2,754	5	C	C	C	C	C	C
	1,510	1.98	1,540	60.6	1,294	2,854	5	C	C	C	C	C	C	
	1,760	2.30	1,740	68.5	1,435	3,163	6	C	B	B	C	B	A	
	Heavy duty	560	0.73	600	23.6	870	1,917	3	D	D	D	D	D	D
		620	0.81	750	29.5	880	1,941	3	D	D	D	D	D	D
		1,140	1.49	1,240	48.8	1,200	2,646	5	D	D	D	D	D	D
		1,320	1.73	1,390	54.7	1,289	2,843	5	D	D	D	D	D	D
		1,510	1.98	1,540	60.6	1,377	3,035	5	D	D	C	D	D	B
1,760		2.30	1,740	68.5	1,533	3,380	6	C	B	A	B	B	A	
1,760		2.30	1,740	68.5	1,533	3,380	6	C	B	A	B	B	A	
Direct fit bucket (UQC interface)	General purpose	560	0.73	600	23.6	800	1,763	3	C	C	C	C	C	C
		620	0.81	750	29.5	823	1,814	3	C	C	C	C	C	C
		770	1.01	900	35.4	983	2,167	4	C	C	C	C	C	C
		950	1.24	1090	42.9	1012	2,231	4	C	C	C	C	C	C
		1,140	1.49	1,240	48.8	1,179	2,600	5	C	C	C	C	C	C
		1,320	1.73	1,390	54.7	1,196	2,636	5	C	C	C	C	C	B
		1,450	1.90	1,490	58.7	1,249	2,754	5	C	C	B	C	B	B
	1,510	1.98	1,540	60.6	1,294	2,854	5	C	B	A	C	B	A	
	1,760	2.30	1,740	68.5	1,435	3,163	6	B	A	x	B	A	x	
	Heavy duty	560	0.73	600	23.6	870	1,917	3	D	D	D	D	D	D
		620	0.81	750	29.5	880	1,941	3	D	D	D	D	D	D
		1,140	1.49	1,240	48.8	1,200	2,646	5	D	D	D	D	D	C
		1,320	1.73	1,390	54.7	1,289	2,843	5	D	C	B	D	C	B
		1,510	1.98	1,540	60.6	1,377	3,035	5	C	B	A	C	B	A
1,760		2.30	1,740	68.5	1,533	3,380	6	B	A	x	A	A	x	
1,760		2.30	1,740	68.5	1,533	3,380	6	B	A	x	A	A	x	

For long reach boom and arm configuration, Volvo recommends to use 0.52 m<sup>3</sup> (0.68 yd<sup>3</sup>) bucket

Please consult with your Volvo dealer for the proper match of buckets and attachments to suit the application.

The recommendations are given as a guide only, based on typical operation conditions.

Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

**Maximum material density**

D: > 1,900 kg/m<sup>3</sup> (> 3,200 lb/yd<sup>3</sup>): Wet mud, Iron ore

C: 1,700 ~ 1,800 kg/m<sup>3</sup> (2,800 ~ 3,100 lb/yd<sup>3</sup>): Granite, Wet sand, Well blasted rock

B: 1,400 ~ 1,600 kg/m<sup>3</sup> (2,300 ~ 2,700 lb/yd<sup>3</sup>): Wet earth and clay, Limestone, Sandstone

A: 1,200 ~ 1,300 kg/m<sup>3</sup> (2,000 ~ 2,200 lb/yd<sup>3</sup>): Coal, Caliche, Shale

X: Not recommended

# Specifications

## LIFTING CAPACITY EC260F L

Lifting capacity at the arm end without bucket.  
For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level	kg	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Max. reach		Max.		
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC			
Boom : 6.0 m GP 19'8" GP Arm : 2.5 m HD 8'2" HD Shoe : 600 mm 24" CWT : 4 950 kg 10,910 lb	7.5 m	kg							*6,820	*6,820					*6,880	*6,880	6.1 m		
	25 ft	lb													*15,190	*15,190	19.6 ft		
	6.0 m	kg							*6,830	*6,830					*6,880	5,510	7.22 m		
	20 ft	lb							*14,980	*14,980					*15,150	12,320	23.5 ft		
	4.5 m	kg					*9,220	*9,220	*7,670	7,210	*7,050	5,120			6,930	4,700	7.9 m		
	15 ft	lb					*19,840	*19,840	*16,680	15,550	*15,470	11,010			15,370	10,430	25.8 ft		
	3.0 m	kg					*11,920	10,440	*8,880	6,890	7,400	4,980			6,380	4,310	8.25 m		
	10 ft	lb					*25,610	22,540	*19,240	14,870	15,930	10,730			14,090	9,510	27.1 ft		
	1.5 m	kg					*14,020	9,880	*10,020	6,600	7,240	4,830			6,210	4,170	8.32 m		
	5 ft	lb					*30,240	21,310	*21,710	14,250	15,600	10,430			13,700	9,200	27.3 ft		
	0 m	kg					*14,810	9,660	9,920	6,420	7,130	4,740			6,390	4,270	8.11 m		
	0 ft	lb					*32,080	20,820	21,360	13,860	15,380	10,230			14,080	9,410	26.6 ft		
	-1.5 m	kg			*10,450	*10,450	*14,620	9,650	9,860	6,370	7,120	4,720			7,000	4,650	7.59 m		
	-5 ft	lb			*23,950	*23,950	*31,710	20,770	21,230	13,740					15,480	10,290	24.9 ft		
	-3.0 m	kg			*18,680	*18,680	*13,530	9,770	9,950	6,440					8,460	5,570	6.7 m		
-10 ft	lb			*40,550	*40,550	*29,300	21,040	21,430	13,920					18,820	12,390	21.9 ft			
-4.5 m	kg			*14,950	*14,950	*10,900	10,080							*9,090	8,080	5.24 m			
-15 ft	lb			*32,080	*32,080	*23,220	21,760							*20,050	18,320	16.9 ft			
Boom : 6.0 m GP 19'8" GP Arm : 2.97 m GP 9'9" GP Shoe : 600 mm 24" CWT : 4 950 kg 10,910 lb	7.5 m	kg													*6,070	*6,070	6.61 m		
	25 ft	lb							*13,450	*13,450					*13,480	*13,480	21.3 ft		
	6.0 m	kg							*6,240	*6,240	*6,320	5,260			*5,820	5,080	7.66 m		
	20 ft	lb							*13,680	*13,680					*12,840	11,330	24.9 ft		
	4.5 m	kg					*8,320	*8,320	*7,140	*7,140	*6,610	5,170			*5,840	4,390	8.3 m		
	15 ft	lb							*15,520	*15,520	*14,470	11,140			*12,870	9,730	27.2 ft		
	3.0 m	kg					*11,040	10,650	*8,410	6,970	*7,210	5,020			5,980	4,040	8.64 m		
	10 ft	lb					*23,730	22,980	*18,210	15,040	*15,730	10,820			13,200	8,930	28.3 ft		
	1.5 m	kg					*13,410	10,010	*9,660	6,650	7,260	4,850			5,820	3,910	8.7 m		
	5 ft	lb					*28,920	21,590	*20,930	14,360	15,650	10,470			12,840	8,640	28.5 ft		
	0 m	kg			*5,010	*5,010	*14,610	9,690	9,940	6,440	7,130	4,730			5,960	3,990	8.5 m		
	0 ft	lb			*11,690	*11,690	*31,630	20,880	21,400	13,890	15,370	10,210			13,140	8,790	27.9 ft		
	-1.5 m	kg	*6,650	*6,650	*10,690	*10,690	*14,760	9,610	9,840	6,340	7,080	4,680			6,460	4,300	8.01 m		
	-5 ft	lb	*14,940	*14,940	*24,300	*24,300	*32,000	20,700	21,170	13,690	15,260	10,120			14,270	9,500	26.2 ft		
	-3.0 m	kg	*12,340	*12,340	*17,770	*17,770	*14,010	9,690	9,870	6,370					7,610	5,030	7.17 m		
-10 ft	lb	*27,740	*27,740	*40,470	*40,470	*30,330	20,860	21,260	13,760					16,900	11,170	23.4 ft			
-4.5 m	kg			*16,720	*16,720	*11,990	9,930							*8,930	6,840	5.83 m			
-15 ft	lb			*35,980	*35,980	*25,720	21,400							*19,750	15,410	18.9 ft			
Boom : 6.0 m GP 19'8" GP Arm : 3.6 m GP 11'10" GP Shoe : 600 mm 24" CWT : 4 950 kg 10,910 lb	7.5 m	kg													*5,030	*5,030	7.23 m		
	25 ft	lb													*11,150	*11,150	23.4 ft		
	6.0 m	kg									*5,580	5,350			*4,890	4,610	8.19 m		
	20 ft	lb									*12,320	11,510			*10,780	10,270	26.7 ft		
	4.5 m	kg									*6,350	*6,350	*5,990	5,230			*4,940	4,030	8.8 m
	15 ft	lb									*13,810	*13,810	*13,130	11,270			*10,880	8,930	28.8 ft
	3.0 m	kg			*15,600	*15,600	*9,740	*9,740	*7,670	7,060	*6,680	5,050	5,620	3,800	*5,160	3,720	9.11 m		
	10 ft	lb			*33,120	*33,120	*20,970	*20,970	*16,630	15,230	*14,570	10,880			*11,370	8,230	29.9 ft		
	1.5 m	kg					*12,390	10,140	*9,050	6,690	7,270	4,860	5,520	3,710	5,370	3,600	9.17 m		
	5 ft	lb					*26,730	21,870	*19,610	14,440	15,670	10,470	11,900	7,980	11,840	7,950	30.1 ft		
	0 m	kg			*7,070	*7,070	*14,070	9,690	9,940	6,420	7,100	4,700			5,460	3,640	8.98 m		
	0 ft	lb			*16,160	*16,160	*30,440	20,870	21,390	13,850	15,310	10,140			12,050	8,040	29.5 ft		
	-1.5 m	kg	*6,790	*6,790	*10,790	*10,790	*14,670	9,510	9,770	6,280	7,010	4,610			5,850	3,880	8.52 m		
	-5 ft	lb	*15,170	*15,170	*24,460	*24,460	*31,810	20,480	21,030	13,540	15,100	9,960			12,920	8,580	27.9 ft		
	-3.0 m	kg	*11,020	*11,020	*15,980	*15,980	*14,360	9,520	9,750	6,260	7,010	4,620			6,720	4,440	7.74 m		
-10 ft	lb	*24,710	*24,710	*36,290	*36,290	*31,100	20,500	20,980	13,500	15,130	9,990			14,900	9,840	25.3 ft			
-4.5 m	kg	*16,330	*16,330	*18,570	*18,570	*12,970	9,690	*9,580	6,380					*8,590	5,700	6.52 m			
-15 ft	lb	*36,830	*36,830	*40,040	*40,040	*27,940	20,880	*20,510	13,780					*19,010	12,790	21.2 ft			
-6.0 m	kg					*9,450	*9,450							*9,400	*9,400	4.52 m			
-20ft	lb																0 ft		

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

**LIFTING CAPACITY EC260F L**

Lifting capacity at the arm end without bucket.  
For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Max. reach		Max.		
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC			
Boom : 6.0 m HD 19'8" HD Arm : 2.5 m HD 8'2" HD Shoe : 800 mm 32" CWT : 4 950 kg 10,910 lb	7.5 m	kg							*6,800	*6,800							*6,850	*6,850	6.1 m
	25 ft	lb															*15,130	*15,130	19.6 ft
	6.0 m	kg							*6,810	*6,810							*6,840	5,590	7.22 m
	20 ft	lb							*14,930	*14,930							*15,080	12,500	23.5 ft
	4.5 m	kg					*9,190	*9,190	*7,640	7,320	*7,010	5,190					*6,980	4,770	7.9 m
	15 ft	lb					*19,770	*19,770	*16,610	15,790	*15,390	11,170					*15,380	10,580	25.8 ft
	3.0 m	kg					*11,860	10,590	*8,840	6,990	7,520	5,050					6,480	4,360	8.25 m
	10 ft	lb					*25,490	22,870	*19,150	15,080	16,200	10,880					14,320	9,640	27.1 ft
	1.5 m	kg					*13,950	10,010	*9,970	6,690	7,360	4,900					6,310	4,230	8.32 m
	5 ft	lb					*30,080	21,590	*21,600	14,440	15,860	10,570					13,920	9,320	27.3 ft
	0 m	kg					*14,730	9,780	10,080	6,500	7,250	4,800					6,490	4,320	8.11 m
	0 ft	lb					*31,900	21,070	21,700	14,030	15,630	10,360					14,310	9,530	26.6 ft
	-1.5 m	kg			*10,450	*10,450	*14,530	9,770	10,020	6,450	7,230	4,780					7,110	4,710	7.59 m
	-5 ft	lb			*23,950	*23,950	*31,530	21,020	21,560	13,910							15,720	10,420	24.9 ft
	-3.0 m	kg			*18,560	*18,560	*13,450	9,890	*10,070	6,520							8,600	5,640	6.7 m
-10 ft	lb			*40,300	*40,300	*29,120	21,300	*21,690	14,090							19,120	12,550	21.9 ft	
-4.5 m	kg			*14,850	*14,850	*10,830	10,210									*9,030	8,190	5.24 m	
-15 ft	lb			*31,850	*31,850	*23,060	22,040									*19,910	18,560	16.9 ft	
Boom : 6.0 m HD 19'8" HD Arm : 2.97 m HD 9'9" HD Shoe : 800 mm 32" CWT : 4 950 kg 10,910 lb	7.5 m	kg															*6,060	*6,060	6.61 m
	25 ft	lb							*13,350	*13,350							*13,460	*13,460	21.3 ft
	6.0 m	kg							*6,190	*6,190	*6,260	5,320					*5,810	5,130	7.66 m
	20 ft	lb							*13,570	*13,570							*12,820	11,450	24.9 ft
	4.5 m	kg					*8,260	*8,260	*7,070	*7,070	*6,540	5,220					*5,830	4,430	8.3 m
	15 ft	lb							*15,380	*15,380	*14,330	11,250					*12,840	9,810	27.2 ft
	3.0 m	kg					*10,940	10,760	*8,320	7,040	*7,140	5,060					6,050	4,070	8.64 m
	10 ft	lb					*23,520	23,230	*18,040	15,190	*15,570	10,910					13,360	8,990	28.3 ft
	1.5 m	kg					*13,280	10,090	*9,560	6,700	7,350	4,890					5,890	3,940	8.7 m
	5 ft	lb					*28,640	21,760	*20,720	14,470	15,840	10,540					12,990	8,690	28.5 ft
	0 m	kg			*5,000	*5,000	*14,470	9,750	10,060	6,480	7,210	4,760					6,030	4,010	8.5 m
	0 ft	lb			*11,670	*11,670	*31,320	21,010	21,650	13,970	15,540	10,270					13,290	8,840	27.9 ft
	-1.5 m	kg	*6,640	*6,640	*10,680	*10,680	*14,610	9,670	9,950	6,380	7,160	4,710					6,530	4,320	8.01 m
	-5 ft	lb	*14,910	*14,910	*24,280	*24,280	*31,690	20,820	21,410	13,760	15,430	10,170					14,430	9,550	26.2 ft
	-3.0 m	kg	*12,340	*12,340	*17,760	*17,760	*13,870	9,750	9,990	6,410							7,700	5,060	7.17 m
-10 ft	lb	*27,720	*27,720	*40,460	*40,460	*30,020	20,990	21,510	13,840							17,100	11,240	23.4 ft	
-4.5 m	kg			*16,540	*16,540	*11,860	10,000									*8,830	6,890	5.83 m	
-15 ft	lb			*35,580	*35,580	*25,440	21,570									*19,520	15,520	18.9 ft	
Boom : 6.0 m HD 19'8" HD Arm : 3.6 m GP 11'10" GP Shoe : 800 mm 32" CWT : 4 950 kg 10,910 lb	7.5 m	kg															*5,030	*5,030	7.23 m
	25 ft	lb															*11,150	*11,150	23.4 ft
	6.0 m	kg									*5,550	5,440					*4,890	4,680	8.19 m
	20 ft	lb									*12,270	11,690					*10,780	10,430	26.7 ft
	4.5 m	kg							*6,320	*6,320	*5,970	5,310					*4,940	4,090	8.8 m
	15 ft	lb							*13,760	*13,760	*13,070	11,440					*10,880	9,060	28.8 ft
	3.0 m	kg			*15,540	*15,540	*9,700	*9,700	*7,640	7,170	*6,650	5,130	*5,640	3,850			*5,160	3,780	9.11 m
	10 ft	lb			*32,990	*32,990	*20,890	*20,890	*16,560	15,460	*14,500	11,050					*11,370	8,340	29.9 ft
	1.5 m	kg					*12,330	10,290	*9,000	6,790	7,400	4,930	5,620	3,760			5,460	3,650	9.17 m
	5 ft	lb					*26,590	22,180	*19,510	14,650	15,940	10,620	12,100	8,100			12,040	8,060	30.1 ft
	0 m	kg			*7,070	*7,070	*13,990	9,810	*10,080	6,510	7,220	4,770					5,550	3,690	8.98 m
	0 ft	lb			*16,160	*16,160	*30,280	21,140	21,740	14,040	15,560	10,280					12,250	8,150	29.5 ft
	-1.5 m	kg	*6,790	*6,790	*10,790	*10,790	*14,590	9,630	9,930	6,360	7,120	4,670					5,950	3,940	8.52 m
	-5 ft	lb	*15,170	*15,170	*24,460	*24,460	*31,630	20,730	21,370	13,710	15,350	10,090					13,130	8,690	27.9 ft
	-3.0 m	kg	*11,020	*11,020	*15,980	*15,980	*14,270	9,640	9,900	6,330	7,130	4,680					6,830	4,490	7.74 m
-10 ft	lb	*24,710	*24,710	*36,290	*36,290	*30,920	20,750	21,320	13,670	15,380	10,110					15,150	9,970	25.3 ft	
-4.5 m	kg	*16,330	*16,330	*18,450	*18,450	*12,890	9,810	*9,520	6,460							*8,530	5,770	6.52 m	
-15 ft	lb	*36,830	*36,830	*39,790	*39,790	*27,770	21,150	*20,380	13,960							*18,890	12,950	21.2 ft	
-6.0 m	kg					*9,380	*9,380									*9,330	*9,330	4.52 m	
-20 ft	lb																		0 ft

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC260F L

Lifting capacity at the arm end without bucket.  
For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Max. reach		Max.				
			Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC	Along UC	Across UC					
<b>Boom :</b> 5.95 m VA 19'6" VA <b>Arm :</b> 2.5 m HD 8'2" HD <b>Shoe :</b> 600 mm 24" <b>CWT :</b> 4 950 kg 10,910 lb	9 m	kg																*9,650	*9,650	4.21 m	
	30 ft	lb																	*21,970	*21,970	13 ft
	7.5 m	kg					*9,820	*9,820	*8,590	7,460									*8,050	7,210	6.12 m
	25 ft	lb					*21,790	*21,790											*17,900	16,400	19.7 ft
	6 m	kg					*10,070	*10,070	*9,010	7,430									*7,540	5,440	7.24 m
	20 ft	lb					*22,080	*22,080	*19,680	16,000									*16,660	12,170	23.6 ft
	4.5 m	kg					*12,120	11,200	*9,600	7,180	7,540	5,070							6,890	4,630	7.92 m
	15 ft	lb					*26,170	24,170	*20,850	15,480	16,210	10,900							15,290	10,280	25.9 ft
	3 m	kg					*13,950	10,380	*10,350	6,840	7,380	4,930							6,340	4,240	8.27 m
	10 ft	lb					*30,110	22,420	*22,440	14,760	15,900	10,620							14,010	9,370	27.1 ft
	1.5 m	kg					*14,780	9,780	10,110	6,530	7,220	4,780							6,180	4,110	8.33 m
	5 ft	lb					*32,020	21,110	21,760	14,100	15,560	10,310							13,630	9,070	27.3 ft
	0 m	kg					*14,160	9,560	9,900	6,350	7,120	4,680							6,360	4,210	8.12 m
	0 ft	lb					*30,790	20,590	21,310	13,700	15,340	10,110							14,030	9,290	26.6 ft
-1.5 m	kg				*10,250	*10,250	*12,490	9,560	*9,680	6,300	*7,110	4,680						*6,880	4,610	7.6 m	
-5 ft	lb				*23,520	*23,520	*27,160	20,580	*20,920	13,600								*15,150	10,180	24.9 ft	
-3 m	kg						*9,720	9,710	*7,460	6,400								*6,000	5,530	6.72 m	
-10 ft	lb						*20,970	20,920	*15,860	13,840								*13,150	12,310	21.9 ft	
<b>Boom :</b> 5.95 m VA 19'6" VA <b>Arm :</b> 2.97 m HD 9'9" HD <b>Shoe :</b> 600 mm 24" <b>CWT :</b> 4 950 kg 10,910 lb	9 m	kg					*7,850	*7,850										*6,890	*6,890	4.96 m	
	30 ft	lb					*16,500	*16,500											*15,550	*15,550	15.5 ft
	7.5 m	kg					*7,800	*7,800	*7,470	*7,470									*5,980	*5,980	6.65 m
	25 ft	lb					*17,310	*17,310	*15,910	*15,910									*13,270	*13,270	21.5 ft
	6 m	kg					*7,980	*7,980	*8,300	7,530	*6,480	5,200							*5,670	4,970	7.69 m
	20 ft	lb					*17,550	*17,550	*18,120	16,210	*12,690	11,140							*12,520	11,100	25 ft
	4.5 m	kg			*16,190	*16,190	*11,380	*11,380	*9,170	7,260	7,590	5,110							*5,640	4,290	8.33 m
	15 ft	lb			*31,800	*31,800	*24,470	*24,470	*19,920	15,650	16,320	10,990							*12,420	9,510	27.3 ft
	3 m	kg					*13,340	10,560	*10,020	6,890	7,400	4,940							*5,820	3,940	8.66 m
	10 ft	lb					*28,800	22,800	*21,710	14,870	15,940	10,650							*12,810	8,710	28.4 ft
	1.5 m	kg					*14,580	9,870	10,140	6,550	7,210	4,770							5,750	3,820	8.73 m
	5 ft	lb					*31,560	21,280	21,820	14,130	15,540	10,280							12,680	8,420	28.6 ft
	0 m	kg					*14,450	9,530	9,880	6,320	7,080	4,640							5,890	3,890	8.52 m
	0 ft	lb					*31,360	20,520	21,260	13,640	15,250	10,020							12,990	8,580	28 ft
-1.5 m	kg				*10,500	*10,500	*13,150	9,460	9,780	6,230	7,030	4,600						6,390	4,210	8.04 m	
-5 ft	lb				*23,910	*23,910	*28,550	20,360	21,040	13,440	15,160	9,940						14,120	9,300	26.3 ft	
-3 m	kg						*10,750	9,560	*8,260	6,280								*6,100	4,940	7.2 m	
-10 ft	lb						*23,230	20,590	*17,700	13,570								*13,400	10,970	23.5 ft	
<b>Boom :</b> 5.95 m VA 19'6" VA <b>Arm :</b> 3.6 m GP 11'10" GP <b>Shoe :</b> 600 mm 24" <b>CWT :</b> 4 950 kg 10,910 lb	9 m	kg																*5,500	*5,500	5.79 m	
	30 ft	lb																	*12,330	*12,330	18.4 ft
	7.5 m	kg							*6,450	*6,450									*4,950	*4,950	7.28 m
	25 ft	lb							*14,080	*14,080									*10,980	*10,980	23.6 ft
	6 m	kg							*6,820	*6,820	*6,270	5,330							*4,770	4,520	8.24 m
	20 ft	lb							*14,970	*14,970	*13,350	11,450							*10,520	10,070	26.9 ft
	4.5 m	kg			*7,570	*7,570	*8,150	*8,150	*8,070	7,420	*7,360	5,200							*4,780	3,950	8.84 m
	15 ft	lb					*17,590	*17,590	*17,540	15,990	*15,860	11,200							*10,530	8,750	28.9 ft
	3 m	kg					*12,460	10,880	*9,540	7,030	7,490	5,010	5,610	3,750					*4,960	3,650	9.16 m
	10 ft	lb					*26,910	23,470	*20,700	15,160	16,120	10,800	*11,000	8,070					*10,920	8,060	30 ft
	1.5 m	kg					*14,150	10,070	10,240	6,640	7,260	4,810	5,510	3,660					5,310	3,530	9.22 m
	5 ft	lb					*30,600	21,720	22,050	14,330	15,640	10,370	11,860	7,880					*11,700	7,780	30.2 ft
	0 m	kg				*6,880	*6,880	*14,610	9,590	9,920	6,350	7,090	4,650	5,430	3,590				5,410	3,570	9.03 m
	0 ft	lb				*15,750	*15,750	*31,680	20,660	21,340	13,700	15,270	10,020						11,930	7,880	29.6 ft
-1.5 m	kg				*10,630	*10,630	*13,840	9,410	9,750	6,200	6,990	4,560						5,800	3,810	8.57 m	
-5 ft	lb				*24,120	*24,120	*30,030	20,260	20,980	13,380	15,070	9,840						12,800	8,430	28.1 ft	
-3 m	kg				*15,800	*15,800	*11,960	9,440	*9,100	6,200	*6,720	4,580						*6,200	4,360	7.79 m	
-10 ft	lb				*34,240	*34,240	*25,850	20,320	*19,590	13,370	*14,210	9,910						*13,640	9,680	25.5 ft	
-4.5 m	kg						*8,690	*8,690	*6,430	6,350										6.59 m	
-15 ft	lb																			21.4 ft	

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

**LIFTING CAPACITY EC260F LR**

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level		0 m		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		
			Along UC	Across UC													
	13.5 m	kg															
	45 ft	lb															
	12.0 m	kg															
	40 ft	lb															
	10.5 m	kg															
	35 ft	lb															
	9.0 m	kg															
	30 ft	lb															
	7.5 m	kg															
	25 ft	lb															
	6.0 m	kg															
	20 ft	lb															
	4.5 m	kg															
	15 ft	lb															
Boom :	10.2 m LR	3.0 m	kg					*4,270	*4,270	*7,320	*7,320	*5,310	*5,310	*4,270	*4,270	*3,630	*3,630
33'6" LR	Arm :	10 ft	lb					*10,760	*10,760	*15,690	*15,690	*11,450	*11,450	*9,220	*9,220	*7,860	*7,860
7.85 m LR	25'9" LR	1.5 m	kg					*1,460	*1,460	*5,150	*5,150	*6,490	*6,490	*5,000	4,870	*4,120	3,760
Shoe :	800 mm	5 ft	lb					*3,400	*3,400	*12,140	*12,140	*14,000	*14,000	*10,800	10,530	*8,920	8,120
32"	CWT :	0 m	kg					*1,550	*1,550	*3,490	*3,490	*7,430	5,870	*5,640	4,410	*4,560	3,440
6,200 kg		0 m	lb					*3,520	*3,520	*8,000	*8,000	*16,060	12,700	*12,200	9,520	*9,890	7,430
13,670 lb		-1.5 m	kg			*1,510	*1,510	*2,010	*2,010	*3,370	*3,370	*6,290	5,420	*6,130	4,060	*4,940	3,190
		-5 ft	lb			*3,360	*3,360	*4,510	*4,510	*7,640	*7,640	*14,460	11,700	*13,280	8,770	*10,700	6,880
		-3.0 m	kg	*2,080	*2,080	*2,070	*2,070	*2,550	*2,550	*3,690	*3,690	*5,980	5,170	6,370	3,840	4,940	3,010
		-10 ft	lb	*4,620	*4,620	*4,610	*4,610	*5,720	*5,720	*8,330	*8,330	*13,670	11,150	13,730	8,280	10,650	6,490
		-4.5 m	kg	*2,510	*2,510	*2,630	*2,630	*3,140	*3,140	*4,200	*4,200	*6,260	5,060	6,240	3,720	4,820	2,900
		-15 ft	lb	*5,590	*5,590	*5,890	*5,890	*7,050	*7,050	*9,490	*9,490	*14,270	10,920	13,440	8,020	10,390	6,250
		-6.0 m	kg	*3,000	*3,000	*3,230	*3,230	*3,790	*3,790	*4,860	*4,860	*6,880	5,060	6,190	3,680	4,770	2,850
		-20 ft	lb	*6,690	*6,690	*7,220	*7,220	*8,510	*8,510	*10,990	*10,990	*15,680	10,910	13,340	7,930	10,280	6,150
		-7.5 m	kg	*3,530	*3,530	*3,850	*3,850	*4,500	*4,500	*5,660	*5,660	*7,790	5,130	6,220	3,710	4,780	2,860
		-25 ft	lb	*7,890	*7,890	*8,640	*8,640	*10,120	*10,120	*12,800	*12,800	*17,750	11,070	13,420	8,000	10,310	6,180
		-9.0 m	kg			*4,530	*4,530	*5,290	*5,290	*6,610	*6,610	*7,720	5,280	*6,200	3,800	4,850	2,920
		-30 ft	lb			*10,160	*10,160	*11,920	*11,920	*15,000	*15,000	*16,650	11,400	*13,360	8,210	10,470	6,330
		-10.5 m	kg					*6,190	*6,190	*7,790	*7,790	*6,970	5,500	*5,640	3,950	*4,660	3,050
		-35 ft	lb					*13,980	*13,980	*17,750	*17,750	*14,930	11,900	*12,070	8,570	*9,940	6,620
		-12.0 m	kg							*7,370	*7,370	*5,830	5,810	*4,740	4,200	*3,840	3,260
		-40 ft	lb							*15,520	*15,520	*12,290	*12,290	*9,940	9,140	*7,970	7,140

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC260F LR

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick coupler from the following values.

	Lifting hook related to ground level	10.5 m		12.0 m		13.5 m		15 m		16.5 m		Max. reach		Max. m		
		Along UC	Across UC	Along UC	Across UC											
Boom : 10.2 m LR 33'6" LR Arm : 7.85 m LR 25'9" LR Shoe : 800 mm 32" CWT : 6,200 kg 13,670 lb	13.5 m	kg												*1,090	*1,090	12.4 m
	45 ft	lb			*2,450	*2,450								*2,440	*2,440	40 ft
	12.0 m	kg					*1,160	*1,160						*1,030	*1,030	13.7 m
	40 ft	lb												*2,280	*2,280	44.4 ft
	10.5 m	kg					*1,740	*1,740						*990	*990	14.7 m
	35 ft	lb					*3,500	*3,500						*2,200	*2,200	47.8 ft
	9.0 m	kg					*2,100	*2,100	*1,360	*1,360				*980	*980	15.5 m
	30 ft	lb					*4,400	*4,400	*2,470	*2,470				*2,160	*2,160	50.5 ft
	7.5 m	kg			*2,280	*2,280	*2,250	*2,250	*1,790	*1,790				*970	*970	16.1 m
	25 ft	lb			*5,000	*5,000	*4,940	*4,940	*3,570	*3,570				*2,150	*2,150	52.6 ft
	6.0 m	kg			*2,450	*2,450	*2,370	2,300	*2,120	1,840	*1,010	*1,010		*990	*990	16.5 m
	20 ft	lb			*5,360	*5,360	*5,180	4,930	*4,360	3,920				*2,180	*2,180	54.1 ft
	4.5 m	kg	*2,870	*2,870	*2,670	*2,670	*2,520	2,190	*2,410	1,760	*1,370	*1,370		*1,010	*1,010	16.8 m
	15 ft	lb	*6,240	*6,240	*5,810	*5,810	*5,500	4,700	*5,030	3,760	*2,380	*2,380		*2,240	*2,240	55.2 ft
	3.0 m	kg	*3,200	*3,200	*2,900	2,570	*2,690	2,070	*2,530	1,680	*1,600	1,360		*1,050	*1,050	17.0 m
	10 ft	lb	*6,960	6,950	*6,320	5,530	*5,860	4,450	*5,520	3,590	*2,920	2,890		*2,330	*2,330	55.8 ft
	1.5 m	kg	*3,540	2,980	*3,150	2,400	*2,870	1,950	2,580	1,600	*1,740	1,300		*1,110	*1,110	17.0 m
	5 ft	lb	*7,700	6,420	*6,850	5,160	*6,240	4,190	5,540	3,410	*3,180	2,780		*2,450	*2,450	55.9 ft
	0 m	kg	*3,870	2,760	*3,390	2,240	2,960	1,840	2,500	1,520	*1,750	1,250		*1,190	1,190	16.9 m
	0 m	lb	*8,390	5,940	*7,360	4,820	6,370	3,950	5,370	3,250	*3,120	2,680		*2,630	2,620	55.5 ft
	-1.5 m	kg	4,140	2,570	3,410	2,100	2,860	1,740	2,430	1,450	*1,570	1,210		*1,290	1,190	16.7 m
	-5 ft	lb	8,910	5,540	7,350	4,530	6,160	3,740	5,220	3,100				*2,860	2,620	54.7 ft
	-3.0 m	kg	3,990	2,430	3,300	2,000	2,780	1,660	2,370	1,400				*1,430	1,210	16.3 m
	-10 ft	lb	8,590	5,240	7,110	4,300	5,990	3,580	5,110	3,000				*3,160	2,680	53.5 ft
	-4.5 m	kg	3,890	2,340	3,230	1,930	2,730	1,610	2,350	1,370				*1,610	1,270	15.8 m
	-15 ft	lb	8,390	5,040	6,960	4,150	5,880	3,480	5,060	2,950				*3,580	2,810	51.7 ft
	-6.0 m	kg	3,840	2,300	3,190	1,900	2,710	1,600	*2,020	1,370				*1,870	1,370	15.1 m
	-20 ft	lb	8,290	4,950	6,890	4,090	5,850	3,450						*4,180	3,030	49.3 ft
	-7.5 m	kg	3,850	2,300	3,200	1,910	2,730	1,620						*2,260	1,520	14.2 m
	-25 ft	lb	8,310	4,970	6,920	4,120	5,920	3,510						*5,070	3,390	46.2 ft
	-9.0 m	kg	3,910	2,360	3,260	1,960								*2,890	1,770	13.0 m
	-30 ft	lb	8,450	5,100	7,070	4,270								*6,550	3,970	42.4 ft
-10.5 m	kg	*3,860	2,470										*3,320	2,180	11.6 m	
-35 ft	lb	*8,180	5,380										*7,350	4,940	37.5 ft	
-12.0 m	kg												*3,430	2,950	9.7 m	
-40 ft	lb												*7,590	6,840	31 ft	

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.



# Equipment

## STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

### Engine

Turbocharged, 6 stroke diesel engine with water cooling, direct injection and charged air cooler that meets EU StageV requirements	•
Cooling system by fan clutch	•
New work mode with 10 steps	•
Cyclone pre-cleaner	•
Fuel shut off valve	•
Engine block heater	o
Coolant heater by diesel	o
Reversible fan drive	o
Precleaner, oil bath	o
Air filter, High efficiency	o
Delayed engine Shutdown	o
Automatic engine shutdown	o
Water separator with heater	o
Arctic regeneration	o
Oil sampling port for engine oil	o

### Hybrid

Accumulator, 32 L (8.5 gal)	•
Boom regeneration valves	•
Assist motor	•
Main pump with PTO	•

### Electric / Electronic control system

Anti-theft with code lock system	•
Alternator, 120 A	•
Automatic idling system	•
Lock Out / Tag Out function on main battery switch	•
Standard light	•
Basic light package	o
Advanced light package	o
Deluxe light package	o
Arm light	o
LH light	o

### Undercarriage and structures

3-point side access	•
Direct filling DEF(AdBlue) / Sight gauge and splash guard	•
Openable 3 piece hood	•
Guardrail, fixed/foldable	o
Inner rail	o
SIPS (Side Impact Protection Steel)	o
HD Side door & hood with screen	o
Without lower structure	o
Lower frame, NLC / High walker	o
Link 600/700/800/900 mm (24/28/32/36") triple grouser shoe	o
Link 600 mm (24") triple grouser shoe, HD	o
Link 600 / 700 mm (24/28") double grouser shoe	o
Link 700 mm (24") single grouser shoe	o

## STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

### Hydraulic System

EH (Electro-Hydraulic) control system	•
Auto warm up	•
Auto power boost	•
One touch power boost	•
Priority Adjustment	•
Boom down speed control	•
Shock reduction function	•
Joystick, Semi-long / 4 switch / 4 switch & 1 proportional / Simple L8 / L8	o
Hydraulic oil mineral 32 / 46 / 68	o
Longlife hyd oil mineral 32 / 46 / 68	o
Hydraulic oil bio 46	o
Pattern change	o
Boom float function	o
Straight travel pedal	o
Comfort driving control	o
Creep mode	o
Dedicated drain line	o
Variable X3 P-Q control	o
Hose rupture valve for boom	•
Hose rupture valve for arm	•

### Cab and interior

Keyless engine start and stop	•
8" HD display	•
ROPS certified cab	•
Tiltable left console	•
Digital hour meter	•
Wireless mobile charger with Kinematic sensor package option	•
Various storage space with cool/heated	•
Cleaning air gun	o
1 piece wind shield cab	o
High visibility cab	o
Cabin large mirror	o
Cabin large mirror, Heated	o
Basic / Premium / Deluxe seat	o
Seat belt, 2 inch 2 point / 3 inch 2 point / 3 inch 3 point	o
Climate control-HEPA filter	o
Radio with MP3/USB/Bluetooth	o
Front rain shield	o
Sun screen	o
Lower wiper	o
Sun shield, roof hatch	o
Foot rest, High mount	o
FOG (Falling Object Guard)	o
FOPS (Falling Object Protection Structure)	o
Safety net	o

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**STANDARD AND OPTIONAL EQUIPMENT**

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• = Standard / o = Optional

**Digging equipment**

Boom: 6.0 m monoblock	•
Boom: VA 5.95 m / LR 10.2 m	o
Arm: 2.97 m (9'9")	•
Arm: 2.5 m (8'2")	o
Arm: 3.6 m (11'10")	o
Arm: LR 7.85 m (25'9")	o

**Machine controls**

Kinematic sensor package	•
Volvo Co-Pilot 2nd display, 12.8" touchable Full HD	•
Dig Assist, Start	o
Dig Assist, 2D	o
Dig Assist, In-Field Design	o
Dig Assist, Topcon 3D-MC	o
Dig Assist, Infield-Design Advanced	o
Dig Assist, On-Board Weighing	o
Dig Assist, Laser Receiver	o
Volvo Active Control	o
Dig Assist, Boundary Limit	o

**Service and Maintenance**

Swing out A/C condenser	•
Fuel filler pump	o
Quick Hydraulic Oil Fill connection	o
Jump start connector	o
Auto lubrication system	o
Tool kit	o

**Safety and security**

Travel alarm, beep / white noise	o
Flashing beacon, LED	o
Green light beacon	o
Rear view camera	•
Side view camera	•
HD VSV (Volvo Smart View)	o
HD VSV with obstacle detection	o
Provision, HD VSV with obstacle detection	o

**V O L V O**